



Notified Body authorised by
BSH 0800-S23/4822:013

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Certificate No: LR26270051MB
Issue Date: 18/06/2026
Expiry Date: 17/06/2031

EC Type Examination (Module B) Certificate

USCG-EU MRA

This is to certify that:

LLOYD'S REGISTER Marine Deutschland GmbH (LRMD), designated as a "notified body" based on the notification of the Federal Maritime and Hydrographic Agency of Germany, did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU and the valid Commission Implementing Regulation (EU) in force indicating design, construction and performance requirements and testing standards for marine equipment, subject to the conditions below and the attached Schedule which also forms part of this Certificate.

Manufacturer	MCT Brattberg AB
Address	Lyckeåborg, Karlskrona, 371 92, Sweden
Reference	Marine Equipment Directive (MED) 2014/90/EU, Regulation (EU) 2025/1533
Regulation Item (No. & Item Designation)	MED/3.26b Penetrations Through 'A' Class Divisions - Pipe, Duct, Trunk Etc. Penetrations
Product Type	Pipe Penetration (Standard Fire Test)
Product Description	Fire Resisting Single or Multiple Pipe Rectangular Penetration Seals – Type: "MCT Brattberg RGS Series" for A Class Steel Bulkheads and Decks
Specified Standard	IMO Res. MSC.307 (88)-(2010 FTP Code) Annex 1 Part 3 IMO MSC.1/Circ.1488 Type approval requirements: SOLAS 74 Reg. II-2/9. Carriage and performance requirements: SOLAS 74 Reg. II-2/9, IMO Res. MSC.1/Circ.1276/Rev.1, IMO Res. MSC.1/Circ.1655.
Row of the Regulation Item	1 of 1
Trade Name	RGS single and multiple pipe rectangular transits

The attached Design Appraisal Document (schedule) forms part of this certificate. This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Lloyd's Register Marine Deutschland GmbH, Willy-Brandt-Straße 59-65, 20457 Hamburg, Germany.
A member of the Lloyd's Register group

Marta Walk

Fire & Safety - Senior Specialist
For and on behalf of Lloyd's Register Marine Deutschland GmbH (2923)

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This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to and agreed with the notified body named on this certificate. The manufacturer should notify LRMD of any modification or changes to the equipment in order to obtain a valid Certificate.

This equipment is covered by the scope of the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed on 27 February 2004 and amended by Decision No.1/2023 26 May 2023 according to U.S. Coast Guard approval category number:

164.138

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production Module certificate (Module D, E or F).

Should the specified regulations or standards be amended during the period of validity of this certificate, the product is to be re-approved prior being placed on the market and on board vessels to which the amended regulations or standards apply.

The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of ANNEX II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR26270051MB

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and European Union legislation for the EC Type Examination of Marine Equipment for use on Merchant Ships Registered in the European Economic Area.

This Design Appraisal Document (schedule) forms part of the Certificate.

Approval Documentation

BRE Global Ltd, Garston, United Kingdom, Fire Test Report No.: P125338-1001, Issue 2 dated 4 April 2024

DBI Danish Institute of Fire and Security Technology, Hvidovre, Denmark; Fire Test Report No.: PGB10367A Revision 1, dated 24 March 2025

Manufacturer's Drawings No.: 1240350 Revision D, 1240358 Revision D & 1080760, Revision 1

Conditions of Certification

1. RGS single and multiple pipe rectangular transits may be accepted for use in A Class steel bulkheads and decks, insulation arrangement for the penetrations are given in the tables below.
2. MCT Brattberg RGS series pipe penetrations consisting of frame, Lycron self-lubricating transit Insert Blocks (type "Standard Blocks", "Handiblock", "Addblocks", "U-Blocks", "Spareblocks" and "EMC variants") and Stayplates and STG Endpacking with compression plate or PTG Presswedge.
3. For use with single steel pipes up to 114.5mm outside diameter and multiple steel pipes up to 30mm outside diameter and copper pipes up to 22mm outside diameter, insulated for minimum lengths as described in Manufacturer's drawings listed above.
4. Frame sizes: 1, 2, 4, 6, 8 and combinations thereof to a maximum size equivalent to RGS 8x2 transit.
5. RGS series consisting Mild Steel, Stainless Steel, and aluminium Rectangular Frame types: RGS, RGSF, RGSFB, RGSC, RGSK, RGSbtb, RGSR, RGSFBO.
6. EMP (Electro Magnetic Pulse) Frame types may also be accepted
7. The frame is welded or bolted to an approved A Class steel division and packed with insert blocks suited for each pipe dimension. The compression unit is inserted to compress the insert blocks against pipes to establish a tight seal.

Table 1. RGS Pipe Transits in A-60 divisions

Seal	Maximum Pipe Diameter (mm)	Application	Penetration position	Rating	Drawing
RGS	4-50mm	Steel Bulkhead	Unrestricted	A-60	1240350, rev. D, Fig.1
RGS	4-114.5mm	Steel Bulkhead	Unrestricted	A-60	1240350, rev. D, Fig.2
RGS	4-30mm	Steel Bulkhead	Unrestricted	A-60	1240350, rev. D, Fig.3
RGS	4mm	Steel Deck	Unrestricted	A-60	1240350, rev. D, Fig.4
RGS	4-50mm	Steel Deck	Unrestricted	A-60	1240350, rev. D, Fig.5
RGS	4-114.5mm	Steel Deck	Unrestricted	A-60	1240350, rev. D, Fig.6
RGS	4-30mm	Steel Deck	Unrestricted	A-60	1240350, rev. D, Fig.7

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Table 2. RGS Pipe Transits in A-0 divisions

Seal	Maximum Pipe Diameter (mm)	Application	Penetration position	Rating	Drawing
RGS	4-50mm	Steel Bulkhead	Unrestricted	A-0	1240358, rev. D, Fig.1
RGS	4-114.5mm	Steel Bulkhead	Unrestricted	A-0	1240358, rev. D, Fig.2
RGS	4-30mm	Steel Bulkhead	Unrestricted	A-0	1240358, rev. D, Fig.3
RGS	4mm	Steel Deck	Unrestricted	A-0	1240358, rev. D, Fig.4
RGS	4-50mm	Steel Deck	Unrestricted	A-0	1240358, rev. D, Fig.5
RGS	4-114.5mm	Steel Deck	Unrestricted	A-0	1240358, rev. D, Fig.6
RGS	4-30mm	Steel Deck	Unrestricted	A-0	1240358, rev. D, Fig.7

8. For applications in A-15, A-30 Class steel bulkheads and decks, penetrations are to be fitted with the same or equivalent A-60 Class insulation arrangements as those used in the fire tests (including any insulation fitted on the penetration itself in the tests) for a minimum distance of 200mm around the penetration.
9. Composition, application and installation of subcomponents, including adhesives, seals and any fire retardants, to be maintained in production and used in accordance with originally tested composition formula and method of application and installation, and manufacturer's instructions.
10. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype.
11. Production items of the subject equipment are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D), a Product-Quality assurance system (Module E) or a Product Verification Process (Module F). The wheelmark cannot be affixed to the product until a conformity assessment module is in place.
12. Each item, batch or lot of the equipment is to be issued with a "Declaration of Conformity" and have the "Mark of Conformity" affixed after a conformity assessment module is in place.
13. The manufacturer shall keep a copy of the EC type-examination certificate, its annexes and additions together with the technical documentation at the disposal of the national authorities for at least 10 years after the wheel mark has been affixed on the last product manufactured and in no case for a period shorter than the expected life of the marine equipment concerned.

Note (For Information only)

RGS pipe penetrations were subjected to 6 bar hydrostatic pressure testing and 4 bar pneumatic pressure testing, with satisfactory results, as detailed in the referenced documents: Lloyd's Register Witness Test Report No. 11201/A dated 30.01.2012 and Det Norske Veritas Watertightness and Gastightness Test Report No. N141GRC2 dated 22.11.2017



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Certificate No:

LR26270051MB

Reference:

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Place of Production

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Senior Specialist, Fire & Safety
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Lloyd's Register EMEA

For and on behalf of Lloyd's Register Marine Deutschland

LRMD EC Distinguishing No. 2923

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